

Datasheet - GridConn1000 Containerized Battery energy storage system

Standard characteristics

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|--|---|
| Energy management system | Mc Energy ® GridConn |
| Net voltage range | 3x 380V..3x480V |
| Net frequency | 50/60Hz |
| Voltage drop compensation¹ | Yes |
| Ambient temperature range | -20°C – 40°C |
| Local controls/manual operation | Through HMI |
| Modularity | Stackable |
| Hot swappable | Yes (on the DC side) |
| Warranty | Ex Works 12 months after delivery factory warranty |
| Remote control | Optional |
| Climate control | Enclosed air conditioning suitable for harsh environments |
| Container size | 20ft |



Figure 1: GridConn1000 Container

Standard parts and options

| Type | Battery capacity (kWh) | Power (kVA) | Max connectable power | Container type (ft) | UPS capabilities? | Off grid capabilities |
|--------------|------------------------|-------------|--------------------------|---------------------|---------------------------------------|-----------------------|
| GridConn1000 | --- | 1250kVA | 2640kWh (8x Battpack330) | 20ft | Yes (2 units needed and synchronized) | Yes |
| Battpack330 | 330kWh | --- | --- | 20ft | Yes (combined with GridConn) | No |

Connection example²



Figure 2: GridConn1000 in combination with 8x BattPack330 (2640kWh)

¹ The line voltage may drop over long cables or in weak grid areas. The system compensates this voltage drop.
² The example shows the maximum amount of connected battery packs to one GridConn1000. This system is hot pluggable and can be expanded on demand with additional BattPack330 units up to a maximum of eight units.

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